MKS Introduces the Industry’s First Lightweight, Continuous Zoom Lens Optimized for 10-12 Micron Pixel Size Uncooled LWIR Cameras

Paris, France, June 11, 2018 – MKS Instruments, Inc. (NASDAQ: MKSI), a global provider of technologies that enable advanced processes and improve productivity, has announced the Ophir® LightIR™ 15-75mm f/1.2 zoom lens, a new member of the LightIR family of lightweight, continuous zoom lenses, at Eurosatory 2018. The LightIR 15-75mm f/1.2 is the first compact, thermal imaging lens optimized specifically for uncooled 10-12µm pixel size long-wave infrared (LWIR) detectors. It is designed for use in a wide range of reduced size, weight, and power (SWaP) applications including unmanned aerial systems (UAS), unmanned aerial vehicles (UAV), aircraft vision systems, drones, and handheld applications such as thermal goggles.

The newest LightIR product is a compact, high performance, motorized continuous zoom lens with a focal length of 15-75mm. At only 320g, it is one of the lightest weight, continuous zoom lenses on the market. It maintains sharp focus over the entire zoom range. The mechanical/electrical interface assures easy integration into camera systems.

According to Yitzhak Raif, VP/GM, Ophir Optics Group, “Cameras are rapidly evolving to keep pace with the push for SWaP electronic systems in a wide range of applications, from unmanned aerial vehicles to lower burden electro-optical gear. The LightIR 15-75mm f/1.2 is the industry’s first lightweight zoom lens designed specifically for VGA, 10-12µm FPA matrix detectors. This makes it ideal for UAS’s, handheld devices, and other SWaP applications.”

Availability
The LightIR 15-75mm f/1.2 zoom lens is available now. OEM prices available on request.

LightIR Data Sheet: http://ow.ly/KQjU30kkz4i
About MKS Instruments
MKS Instruments, Inc. (NASDAQ: MKSI) is a global provider of instruments, subsystems and process control solutions that measure, control, power, monitor, and analyze critical parameters of advanced manufacturing processes to improve process performance and productivity. Our products are derived from our core competencies in pressure measurement and control, flow measurement and control, gas and vapor delivery, gas composition analysis, residual gas analysis, leak detection, control and information technology, ozone generation and delivery, RF & DC power, reactive gas generation, vacuum technology, photonics, sub-micron positioning, vibration isolation and optics. Our primary served markets include semiconductor capital equipment, general industrial, life sciences and research. Additional information can be found at www.mksinst.com.

About the Ophir Brand
Ophir is a brand within the MKS Instruments Light & Motion division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters, laser beam profilers measuring femto-watt to hundred-kilowatt lasers, high-performance IR and visible optical elements, IR thermal imaging lenses and zoom lenses for defense and commercial applications, OEM and replacement high-quality optics and sub-assemblies for CO₂ and high-power fiber laser material processing applications. Ophir products enhance our customers’ capabilities and productivity in the semiconductor, industrial technologies, life and health sciences, research and defense markets. For more information, visit www.ophiropt.com.

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